

IN THE CLAIMS:

Please cancel Claims 7-10 without prejudice to or disclaimer of the subject matter recited therein.

Please add new Claims 11-13 as follows.

1.-10. (Cancelled)

11. (New) An imaging apparatus comprising:

a photoelectric conversion area including a plurality of photoelectric converters;

a controller configured to control a first mode for continuously reading out, from the photoelectric conversion area, a plurality of image data acquired by a plurality of image-taking operations performed at a plurality of charge accumulation times, respectively, and a second mode for continuously reading out, from the photoelectric conversion area, a plurality of correction data, acquired at different times than the plurality of charge accumulation times, having the same duration as the plurality of charge accumulation times, respectively, in a state where the photoelectric conversion area is shielded by a shutter; and

an image processor for correcting the plurality of image data by using the plurality of correction data.

12. (New) An imaging apparatus according to Claim 11,

wherein the photoelectric conversion area includes an optical black area covered with a shield for shielding light from the optical black area and the image processor corrects the image data on the basis of optical black data obtained from the optical black area every time the plurality of image data is acquired in the first mode and then corrects the image data corrected with the optical black data by using the correction data acquired in the second mode.

13. (New) An image apparatus according to claim 11, wherein in the second mode, the controller acquires, in the same order as used to acquire the plurality of image data in the first mode, the plurality of correction data at different times than the plurality of charge accumulation times, and

wherein in a case where a plurality of image data are acquired at a plurality of charge accumulation times having a same duration in the first mode, the controller acquires correction data to be used to correct the plurality of image data acquired at the plurality of charge accumulating times having the same duration during a single charge accumulating time having the same duration in the second mode.